

Title (en)

Valve gated injection molding device

Title (de)

Verschlussdüsenvorrichtung zum Spritzgiessen

Title (fr)

Dispositif de buse à obturation pour moulage par injection

Publication

**EP 1034911 A1 20000913 (EN)**

Application

**EP 00105233 A 20000313**

Priority

US 26808399 A 19990312

Abstract (en)

A hot runner valve gated injection molding device (8) which directs melt from a melt channel (38) to a mold cavity (48), including a guide sleeve (58) positioned at the gate end of the nozzle body (10) and surrounding the valve stem (52) to guide the valve stem (52) inside the guide sleeve (58) and to provide a sealing means at the gate end of the nozzle body (10). <IMAGE>

IPC 1-7

**B29C 45/28**; **B29C 45/30**

IPC 8 full level

**B29C 45/26** (2006.01); **B29C 45/28** (2006.01)

CPC (source: EP US)

**B29C 45/2806** (2013.01 - EP US); **B29C 2045/2762** (2013.01 - EP US)

Citation (search report)

- [X] US 5254305 A 19931019 - FERNANDEZ LOUIS [CH], et al
- [DX] US 4095931 A 19780620 - REITAN DAVID M
- [DA] US 4705473 A 19871110 - SCHMIDT HARALD H [CA]
- [DA] US 4925384 A 19900515 - MAENNER OTTO [DE]
- [DA] US 4712995 A 19871215 - BASNETT DAVID T [CA]

Cited by

CN103358476A; DE10305756A1; CN102950707A; EP2374595A1; TWI423870B

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1034911 A1 20000913**; CA 2300434 A1 20000912; JP 2000263595 A 20000926; US 6159000 A 20001212

DOCDB simple family (application)

**EP 00105233 A 20000313**; CA 2300434 A 20000310; JP 2000067568 A 20000310; US 26808399 A 19990312